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JUN 21 1965

ONTARIO WATER  
RESOURCES COMMISSION

## ANNUAL REPORT

1963

VILLAGE OF NEWCASTLE

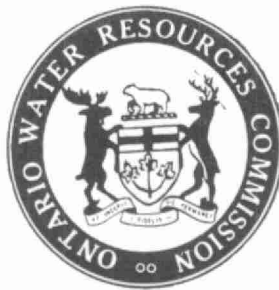
WATER SYSTEM

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ANNUAL REPORT

1963

NEWCASTLE

WATER SUPPLY SYSTEM

### DESCRIPTION OF THE SYSTEM

The supply of water is obtained from a deep well located on Wilmot Street between North and Mill Streets.

A seven stage, water lubricated, vertical turbine, deep well pump rated at 100 gallons per minute delivers the water to the stand pipe reservoir. The pump is driven by a 7.5 H.P. electric motor and is also equipped with an air-cooled gasoline engine which is brought into service in the event of power failure.

The pump is automatically controlled by the level of the water in the standpipe.

A three inch trident crest meter is provided on the discharge side of the pump to record the plant flows.

### RESERVOIR

Water storage is provided by a 150,000 gallon welded steel standpipe.

### DISTRIBUTION SYSTEM

There are 33 hydrants on the system and the mains consist of approximately 3.8 miles of transite pipe ranging in size from 1 1/2 to 8 inches in diameter. These mains are constructed on the following streets:

King	Caroline	Edward	Wilmot
Church	Beaver	Mill	
Manvers	North	Baldwin	
Robert	George	Emily	

Total capital cost of project ..... \$133,884.29.

LABATORY RESULTS

DATE	BACTERIOLOGICAL COUNT COLIFORMS/ML		GRADE
	PUMPHOUSE	VARIOUS POINTS IN SYSTEM	
January 3	0	0	0
March 27	0	0	0
June 4	0	0	A
July 9	0	0	0
August 9	0	0	0
September 10	0	0	0
October 3	0	0	0
October 28	0	0	0
December 10	0	0	0

TOTAL OPERATING COSTS

Payroll	
Casual Payroll	
Fuel	
Power	\$ 288.00
Chemical	
General Supplies	1.00
Equipment	183.00
Repairs & Maintenance	43.00
Sundry	8.00
Water	
<u>TOTAL</u>	<u>\$ 524.00</u>

The total cost to the municipality during 1963 was as follows:

Operating	\$ 524.29
Debt Retirement	2,705.00
Reserve	1,077.00
Interest	7,550.18
<u>TOTAL</u>	<u>\$11,856.47</u>

NOTE:

The amount in the Reserve for Contingency Account was, as of  
December 31, 1963 - \$286.09.

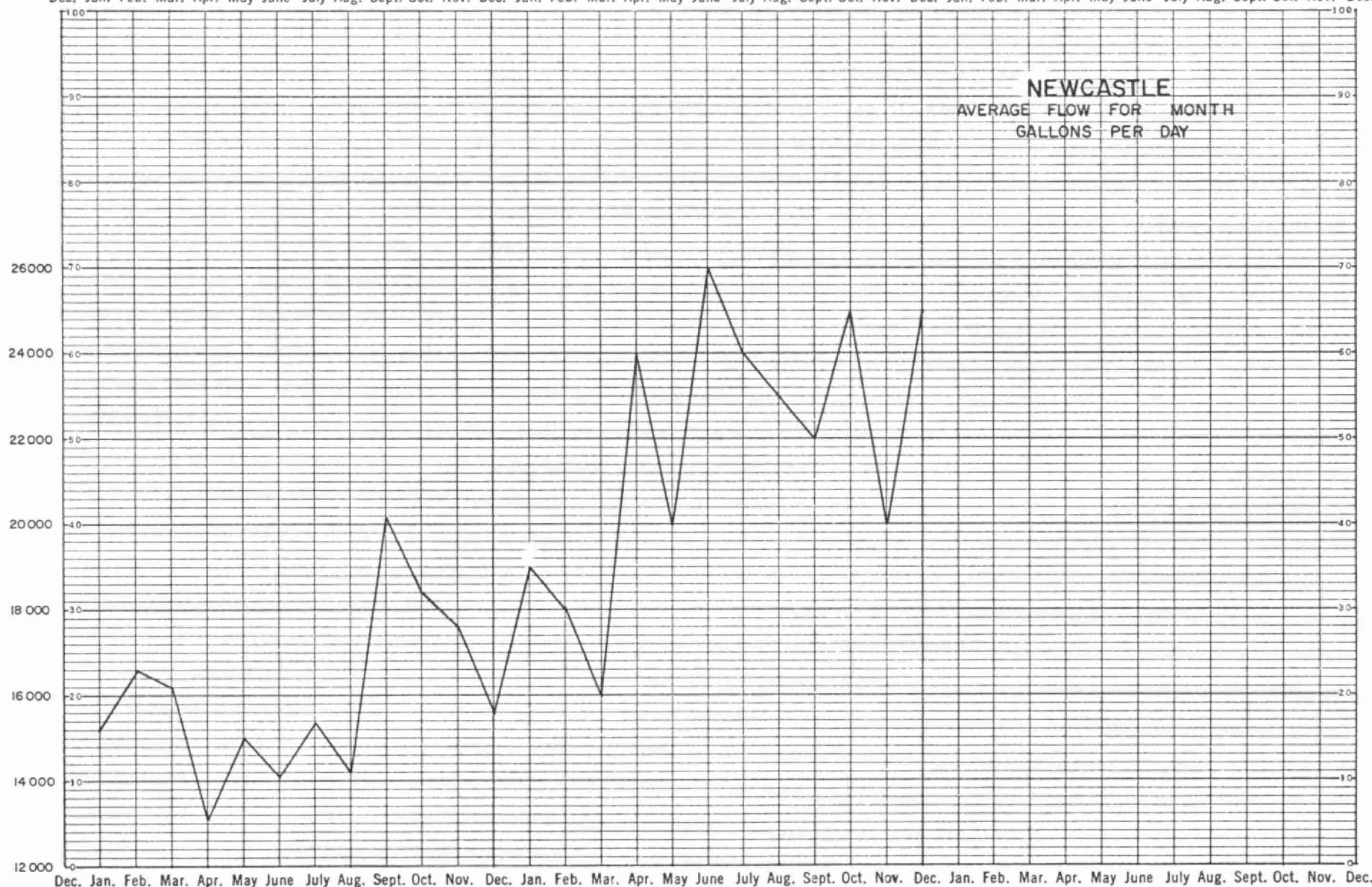
June 1964



GC 8-66

Three Years by Months X 100 Divisions  
MADE IN CANADA

Dec. Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec. Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.



Year of 1962

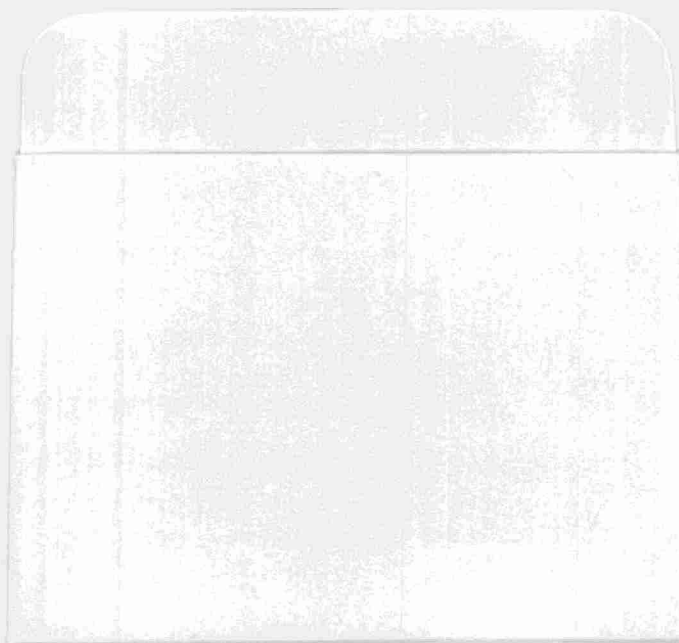
Year of 1963

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*Division of Plant Operations*

**ONTARIO WATER RESOURCES COMMISSION**  
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